

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF BIOLOGICAL SURVEY

Form Bi-689

FIELD DIARY

Mr. E. A. Goldman

(Official title.)

Period, Aug. 13 to Sept. 7

1925

NOTICE

So. Dakota-Wyoming

This book is Government property. The finder is requested to mail it to the BUREAU OF BIOLOGICAL SURVEY, DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C., or deliver it to the official whose name appears above. A detachable addressed frank will be found on the last page; by tying this on the cover the book may be mailed without postage or wrapping if fastened shut.

Aug. 13 (Thurs.), Will
leave Lawrence ^{5.30} Previa. Wrote
letters in morning. Met Louis
Knowles at Hot Springs in
afternoon and he came out
to Will leave with us, where
he spent night with two of
his men, Briggs and Hawes.
Many matters concerning work
were discussed.

Buffaloes. In morning nearly
all the buffaloes came in
to water near headquarters
and afforded a good
opportunity to examine them
at short range. Apparently
they are about through the
rutting season.

Aug 14 (Fri.), Arrived
leave Game Preserve, S.D.,
conferred further with
Knobbs in morning and be
left for Huron. Wrote
letters and in afternoon
prepared reports.

Buffalo to be culled.

Aug. 15 (Sat.) Left
Wind Cave Game Refuge, S.D.
Went to Hot Spgs. in morning,
made appointment over long
distances telephone to meet
Director of Park and Game,
Mr. Oscar Johnson in Pierre
tomorrow. Returned to Wind
Cave and conferred with
Mr. Brozell in regard to
water supply. In afternoon
went again to Hot Spgs. and
at 3:00 P.M. took train for
Pierre, arriving at Buffalo stop
at 4:40 and at Rapid City
at 6:30 P.M. Left Rapid City
at 8 P.M.

Aug. 16(Sun.), Pierre,
S.D.

Arrived at Pierre 2.10 am.
Met Mr. Oscar Johnson Director
of Fish and Game of the state
at 9.30 am. Spent entire
morning and luncheon with
him discussing game problems.
Mr. Johnson expressed his
desire to cooperate with us
in our general game work,
^{and} admitted that his wardens
were not in the habit of
enforcing the Federal law
in regard to duck shooting
after sunset. He expressed
himself as in favor of
Game Refuge Bill.

Indian Reservation shooting
restrictions. The following
Indian Reservations, are, be

Aug. 16 con.

says especially adapted to
prairie chickens which are
much reduced in numbers
in the state and he thinks
should be closed to white
hunters by the Indian Service,
Cheyenne, on Cheyenne River,
Rosebud, Crow Creek, Lower
Boule, Pine Ridge Indian
Reservation he would also
like to see closed, but says
it is not prairie chicken
but rather sharp-tailed
grouse country.

Ring-necked pheasants, these
birds appear to be thriving,
but cocks are in places
reported to be troublesome
to turkey raisers as they
fight with turkeys and in the

Aug. 16 con.

scrap young turkeys are
killed or eggs destroyed.

Antelope refuge, Mr. Johnson
described antelope refuge in
Harding Co., in the northwest
part of state, now partly
fenced. Some report as many
as 1500 antelope in that
general region. The hope is
to enclose several hundred.
Fence of wire netting 54
inches high with three
barbed wires above. Posts
alternating pine and iron
at a rod apart. 40 rods
of fence stretched at a time.
A few sheep will be grazed
within this area which
consists of $13\frac{3}{4}$ sections now
and it is expected that

Aug. 16 con.
additions will be made.
Trap canals to be placed
inside fence, with gates
and salt to enter in
additional outlope.

Predatory animal fund, 15000, ~~to state~~
fund expenditure approved by
supreme court.

Met Secretary of Agriculture,
Mr. Myers in evening and
discussed cooperation with
him.

Aug. 17 (Mon.), Pierre
to Wind Cave Game Refuge.
Left Pierre 2.10 A.M. and
arrived Rapid City about
8 A.M. met Louis Knowles
and Mr. Wells in charge of
rodent control work in the
state, and conferred with
them concerning work.
Mr. Wells reports prairie
dogs exterminated over
large areas. Left Rapid
City 11.30 A.M. and arrived
Hot Springs 1.50 P.M. was
met there by A. P. Chambers
who drove out with me
to game refuge about 14
miles. On arriving at refuge
Chambers and I sat once
took up consideration of

Aug. 17 con.
water supply problem, and
drove by auto up to intake
of pipe line about $1\frac{1}{4}$
miles up Cold Spring
Creek. In evening had
conference with Mr. Mc
Adams and Mr. Brazell,
the ~~former~~ ~~the~~ owner of a
spring we have planned
to pipe down for use
of reservation and Wind
Cave, and the latter the
Superintendent of Wind Cave
National Park.

Aug. 18 (Tue.) Wind
Leave National Park, S.D.

Spent morning at part
of afternoon on ~~correspondence~~
and reports. At 3 P.M. in
Chambers and I rode ~~into~~
pasture.

Antelope. 13 seen, the
old buck at wind break
fence, 6 adult does and
6 young. They divided
into several groups on
seeing us and ran off,
the groups tending to
follow each other. The
antelope running in nearly
single file.

Elk. Saw 12 five bulls,
two of which were nearly
black from mud in which

Aug. 18 con.
they had evidently been
wallowing. A group of
about 5 cows and one
calf also seen.

Prairie dogs, An isolated ^{group}
of apparently not more
than a dozen animals
located on a little flat
in a draw. These might,
I think, be allowed to
remain, but others round
should be exterminated.

Water supply (Wind Cave).
also looked over in afternoon
water supply for Wind Cave.
This flows from a swell.
But good spring well up
in the hills through a $3/4$
inch pipe. The Sept. of the

Aug. 18 con.

Park says the supply is now insufficient at Wind Cave but it seems possible that the line could be waded to carry a little more.

Aug. 19 (Wed.), Wind
Cave Game Preserve, S.D.

Worked on reports in
morning. In afternoon rode
down Long Beaver Creek
to Paulson Ranch, purchased
by Survey when reservation
was established.

Paulson Ranch. Chambers says
this consists of 160 acres
in form of L. Some land
was sown to alfalfa at that
point. Near the ranch, which
is in the little valley near
Beaver Creek, are rolling
grassy prairie areas that
would be excellent for
buffaloes and antelope if
water could be secured.

Aug. 20 (Thurs.) Wind
Cave Game Preserve, J.D.,
Worked on reports all day.

Aug. 21 (Fri.), Wind Cave
Game Preserve, S.D.

Buffalo hides, 13 on hand.

Elk hides - 33 on hand

Elk heads & scalps, 48 on
hand, not all in very good
shape.

Buffalo heads & scalps, 11 on hand.

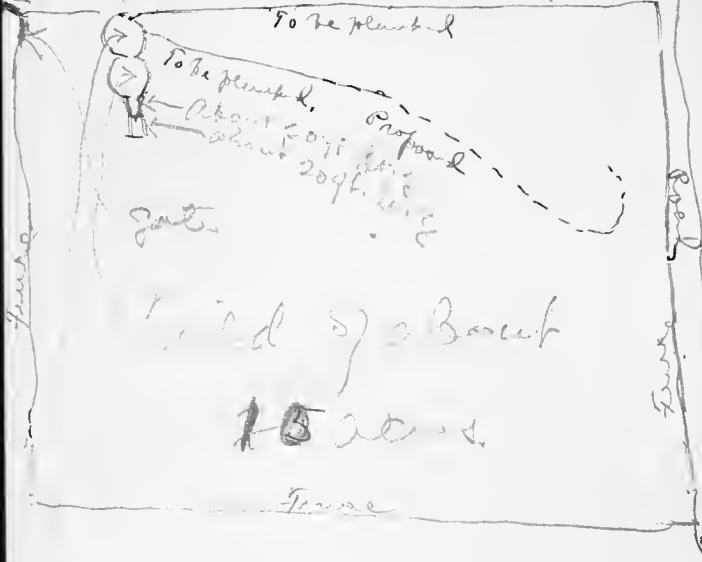
Elk trapping. Wire leading to
corral used by Chambers is of
wire netting only a little over
6 ft. high, elk run into it but
made no attempt to jump it,
so he says. Chute 32 in. inside
meas.

Posts. Chambers has in mind
girdling pines for posts, as he says
pitch settles into it and makes it
last a long time. ^{Find out if this must be}
^{lapped up with Park Service.}

Aug. 21 con.

Trapping corral diagram

← wire fence about 20 rods long.



24 ft. in diam

24 ft. in diam

Aug. 21 con.

Forage. Pasture weedy, con-
tains much Psoralea and
a ~~weed~~ later to be ^{an} Erigeron.
Andropogon furcatus grows
fairly abundantly in pasture,
but little outside on over-
grazed National Forest. Sporobolus
heterophyllus is species showing over-
grazing. Shrubs that have nearly
disappeared in pasture are plum
bushes, wild cherry, Symphoricarpos (Buck
bush), several species of Ribes and ~~Malus~~
~~Sorbus~~ ^{Sorbus} ~~Malus~~ ^{Malus} ~~Malus~~
sour cherry. Malus ^{Malus} ~~Malus~~
still remains in limited
quantities, and stands showing
better than the others. Agropyron
smithii one of our most
abundant and valuable grasses.
Andropogon scoparius (Broom top)

Aug. 21 con.

is one of most abundant species,
this tends to disappear outside
on Park. This ~~is widely not~~
~~be very palatable.~~ Bulbulus
dactyloides (Buffalo grass)
abundant in parts of park.

Truck. Ford truck with
Rucksteel axle, needed for
Wind Cave.

Dried meat on hand, about 50 lbs.,
proposed to sell at 40 net. Deal
on with local butcher who has
been delivered 18 lbs.

Left Wind Cave ^{Refuge} with Chambers
3.30 stopped at Wind Cave to confer
with Ray Brazell. Left and drove
on to Hot Springs. Left Hot Spgs 5.40
P.M.; arrived Edgmont 7.30 P.M.; left
Edgmont 7.55 P.M.

Aug. 22, Cheyenne, Wyo.
Arrived Sidney, Neb. 2.45 a.m.;
left Sidney 7.05 a.m.; arrived
Cheyenne 10.20 a.m.

Went to office and saw Mr.
Muss, also Mr. ~~Sanley~~^{Schwartz} (spelling
doubtful) in charge of game
warden's office in his absence.
Game Warden expected back from
meeting in Denver.

Aug. 23-26 Cheyenne,
Wyo.

Remained at Cheyenne waiting
for State Game Commissioner
until Aug. 25 and attending to
routine matters, completing
reports and writing letters.

Aug. 27 (Thurs), Left
Cheyenne 6:30 A.M., arrived
Rock Spgs, Wyo. 8:30 A.M. travelling
with game commissioner ^{A.A. Sanders,}
by auto.

Route was across rolling
plains past Farabee and
over a high divide to Rock Spgs.
a distance of 285 miles

Aug. 28^(Fri.), Jackson,

Wyo.

Left Rock Spgs. 8 a.m. and arrived Jackson, Wyo., 6:30 P.M.

Route was up over divide to Hoback River drainage, then down Hoback Canyon to Snake River and up valley to Jackson about 185 miles. Much of road through picturesque country.

Met Sir E. Gordon, and W. C. Adams at Jackson in evening.

Aug. 29 (Sat.), Jackson, Wyo.
Most of forenoon devoted to
meeting to consider elk ⁱⁿ office
situation. At meeting McCarin,
Gordon, Adams, Sanders and
myself were present. General
discussion led to plan to be
carried out by Sanders to issue
an A.P. statement urging hunters
to come to Wyo.

In afternoon a trip was made up
Flat Creek. In evening I met
Donald Hough and had a long
talk with him on the Kaibab
situation.

Aug. 3d (Sun.), Jackson,

Wyo.

General discussion of game
problems with Gordon, ^{Sanders} Adams,
Donald Hough and McLean ^{Smith}.

Mr. Sanders and wife went
north into Park and are to
return Wed. when we will
leave for Cheyenne.

Aug. 31 (Mon.) Jackson,
Wyo.

Hay, crop may reach 900 tons.
Most of it put up but some left.
Oats. 21 a. to be threshed, just by
stacked. This to be moved to
oats and alfalfa next year. This
on Germain place. Can be moved
on alfalfa land broken up the
first year.

Sept 2.

Hay, on hand from last
year was 510 m. ref.

District of Columbia
will yield 60 T. Hay
this year. put up by Peterson
at \$3.00 using his own machinery.

League Hay, all up, To
be milled in Sept 10.
Put up with own
machinery at 2.55 Ton

Equipment. We have 4 mowers -
2 new ones bought this year, and
14 head of horses - one team
getting pretty old. 3 hay slides and
2 plungers.

Fence. Nelson says that about
6 miles of fence should be rebuilt.
Peterson wants a division fence that

Sept. 2 am.

is needed to keep his stock off
our hay meadow on Dilworth
place - old fence about gone. He is
prepared and has material on the
ground for his $1\frac{1}{2}$ of fence. He will
probably want to bring his cattle
in soon after haying is finished.
Geltner fence also in bad order
and he is ready to build his $1\frac{1}{2}$
of fence. These buck and pole
fences cost around \$500 per mi.
to build and will last for
about 20 years.

Pasture for P.S., See Dr. Nelson re
letting P.S. have about 5 a.

pasture adjoining 7 a. already
laid over to P.S. adjoining town.

4

Sept. 2 con.

Panels for elk feeding, About 50 panels of 2x6 material needed for use in building elk calf feeding corral. Panels 16 ft. long & 7 1/2 ft. high, with railings of rungs about 11 1/2 ~~or 11 3/4~~ inches wide. These have been found to be about proper size as it will admit all calves, but exclude older elk. Last winter first one older elk got in and hung by its hips and died, hereafter are put in about every 5th panel. These, roughly estimated would cost about \$350. Many of panels in use now of are of 1x6 material which is too light and get swathed up. Panels are used temporarily to fence stacks, about 320 panels on hand all but about 10 of light

Sept. 2 con.
material, some slabs have
to be fixed with poles. To build
calf corral a couple of slabs
are fixed and panels then used
for calf corral.

Fork pond. To ~~be~~ ^{be} ~~changed~~.

blump of trees to be planted for
horses, and fence pulled down

Trees to be planted in yard.
Tool shop to be moved.

Feed down to be tried on patch
of plantain infested ground.

Hay crop, cost of putting up hay
will probably be near 2300 involved
\$800 allotted as crop valued at over
900 \$

Sept. 2 con.

Left Jackson 3 P.M. and
arrived Pinedale for supper,
continued after supper to
Rock Springs, arrived 12 P.M.

Sept. 3.

Left Rock Springs, Wyo. 8 A.M.
and had dinner at Rawlins.
Arrived Cheyenne by auto
10.30 P.M.

Sept. 4, Cheyenne, Wyo.
Remained at Cheyenne
attending to routine matters,
Saw Governor in afternoon.
Prepared to leave for
Washington in morning.

Sept. 5. En route
to Washington, D.C.
Left Chicago 6.30 A.M.

Sept. 6. Arrived Chicago
8.55 A.M.; left Chicago 1 P.M.;
~~arrived~~

Sept. 7. Arrived Wash. D.C.
9 A.M.